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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/734,589

12/15/2003

Serengulam V. Govindan

328884

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35657

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12/17/2007

FAEGRE & BENSON LLP

PATENT DOCKETING

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EXAMINER

FETTEROLF, BRANDON J

ART UNIT

PAPER NUMBER

1642

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DELIVERY MODE

12/17/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/734,589

Applicant(s)

GOVINDAN, SERENGULAM V.

Examiner

Brandon J. Fetterolf, PhD

Art Unit

1642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1, 5-8, 13-15, 17-34, 36-45 and 48-73 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) 1, 5-8, 13-15, 17-34, 36-45 and 48-73 are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Election/Restrictions*

This application contains claims directed to the following patentably distinct species:

- An antibody comprising the light chain variable region sequence comprising the CDR sequences KASQDVSLAVA (SEQ ID NO:7), SASYRYT ((SEQ ID NO:8) and QQHYITPLT (SEQ ID NO:9) and heavy chain variable region sequence comprising the CDR sequences NYGMN (SEQ ID NO: 10), WINTYTGEPTYTDDFKG (SEQ ID NO: 11) and GGFGSSYWYFDV (SEQ ID NO: 12).
- An antibody comprising the heavy chain variable region sequence comprising the CDR sequences NYGVN (SEQ ID NO: 16), WINPNTGEPTFDDDFKG (SEQ ID NO: 17), SRGKNEAWFAY (SEQ ID NO: 18) and light chain variable region sequence comprising the CDR sequences RSSQSLVHRNGNTYLH (SEQ ID NO:13), TVSNRFS (SEQ ID NO:14) and SQSSHVPPT (SEQ ID NO:15).
- An antibody comprising the light chain variable region sequence comprising the CDR sequences RASSSVSYIH (SEQ ID NO:30), ATSNLAS (SEQ ID NO:31), QQWTSNPPT (SEQ ID NO:32) and heavy chain variable region sequence comprising the CDR sequences SYNMH (SEQ ID NO:33), AIYPGNGDTSYNQKFKG (SEQ ID NO:34), STYYGGDWYFDV (SEQ ID NO:35).
- An antibody comprising the light chain variable region sequence comprising the CDR sequences KASQDVSLAVA (SEQ ID NO:7), SASYRYT ((SEQ ID NO:8) and QQHYITPLT (SEQ ID NO:9) and heavy chain variable region sequence comprising the CDR sequences NYGMN (SEQ ID NO: 10), WINTYTGEPTYTDDFKG (SEQ ID NO: 11) and GGFGSSYWYFDV (SEQ ID NO: 12).
- An antibody comprising the heavy chain variable region sequence comprising the CDR sequences NYGVN (SEQ ID NO: 16), WINPNTGEPTFDDDFKG (SEQ ID NO: 17), SRGKNEAWFAY (SEQ ID NO: 18) and light chain variable region sequence comprising the CDR sequences RSSQSLVHRNGNTYLH (SEQ ID NO:13), TVSNRFS (SEQ ID NO:14) and SQSSHVPPT (SEQ ID NO:15).

- An antibody comprising the light chain variable region sequence comprising the CDR sequences RASSSVSYIH (SEQ ID NO:30), ATSNLAS (SEQ ID NO:31), QQWTSNPPT (SEQ ID NO:32) and heavy chain variable region sequence comprising the CDR sequences SYNMH (SEQ ID NO:33), AIYPGNGDTSYNQKFKG (SEQ ID NO:34), STYYGGDWYFDV (SEQ ID NO:35).

. The species are independent or distinct because each of the specifically claimed antibodies consisting of the specifically recited amino acid sequences lack unity of invention because the amino acid sequences have no substantial structural similarities. *In re Harnisch*, 631 F.2d 716, 206 USPQ 300(CCPA 1980); and *Ex parte Hozumi*, 3 USPQ2d 1059 (Bd. Pat. App. & Int. 1984).

Furthermore, there are approximately eight different databases that accompany the results of a search of one discrete amino acid or nucleotide sequence and each result set from a particular database must be carefully considered. Hence, the search of two different amino acid sequences, and different amino acid segments in the databases would require extensive searching and review.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J. Fetterolf, PhD whose telephone number is (571)-272-2919. The examiner can normally be reached on Monday through Friday from 7:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms can be reached on 571-272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brandon J Fetterolf, PhD  
Patent Examiner  
Art Unit 1642

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